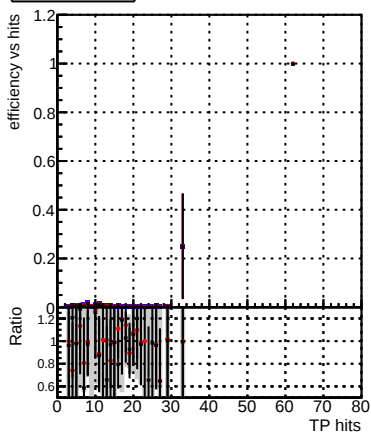
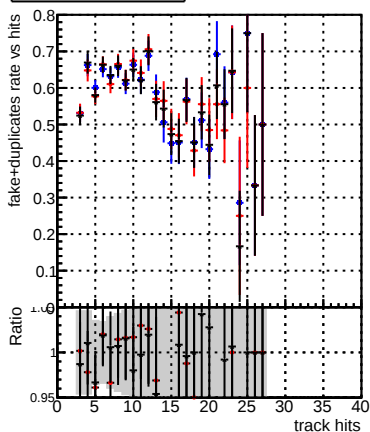


### Efficiency vs hit



fake+duplicates vs hits



Efficienc

 DQM\_original\_step2\_ttbar-phase1-newgeom  
 DQM\_pixelCPETemplate\_step2\_ttbar-phase1-newgeom  
 DQM\_pixelCPETemplateCutChiSquare5\_step2\_ttbar-phase1-newgeom

— DQM\_pixelCPETemplate\_step2\_ttbar-phase1-newgeom

— DQM\_pixelCPETemplateCutChiSquare5\_step2\_ttbar-phase1-newgeom

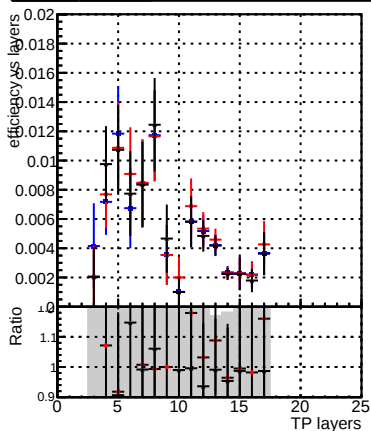
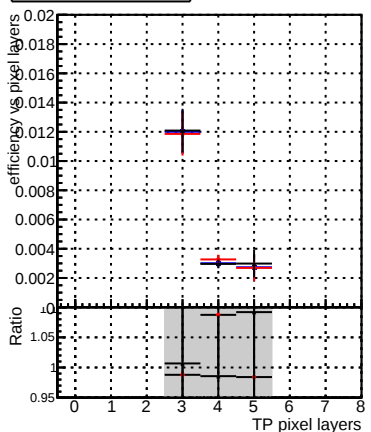


Figure 10 consists of two vertically stacked plots sharing a common x-axis labeled 'track layers' ranging from 0 to 25.

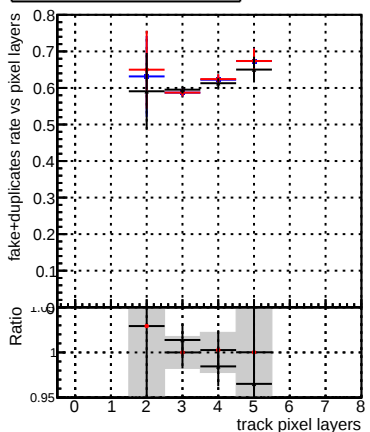
The top plot shows the 'fake+duplicates rate vs layers'. The y-axis ranges from 0.2 to 0.8. Data points are plotted for two conditions, represented by red and blue markers with vertical error bars. The rate starts around 0.65 at layer 4, peaks near 0.68 at layer 6, and then generally decreases with increasing track layers, reaching approximately 0.45 at layer 17. The error bars are notably larger for layers 15 and 17.

The bottom plot shows the 'Ratio' of the two conditions. The y-axis ranges from 0.95 to 1.05. The ratio is plotted as a series of vertical bars with error bars, mostly centered around 1.0. A shaded gray region highlights the area between track layers 5 and 17, where the ratio is consistently close to 1.0.

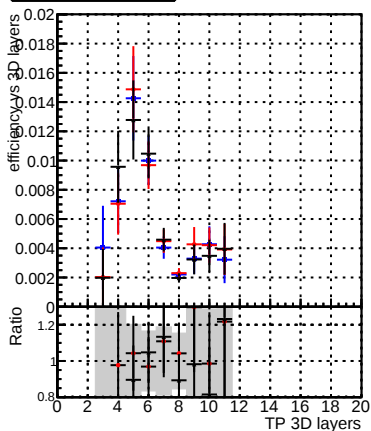
### Efficiency vs pixel layer



## fake+duplicates vs pixel layers



### Efficiency vs 3D layer



fake+duplicates vs 3D layers

